MD 450 IS ASSUMED TO RUN IN AN EAST WEST DIRECTION

EXISTING SIGNALS & SIGNS

1 — 8"/12" — 2 — 12" — 3,4,5,6,7,8 — 12" — 9,10 — 12" — 14 — LEFT TURN YIELD ON GREEN, R10-12, 36" x 42" — 15,16 — ONLY, R3-5L, 30" x 36" — 17 — Annapolis Rd., D3-2, 16" x VAR. — 18 — R3-4, 30" x 30"

PROPOSED SIGNALS AND SIGNS

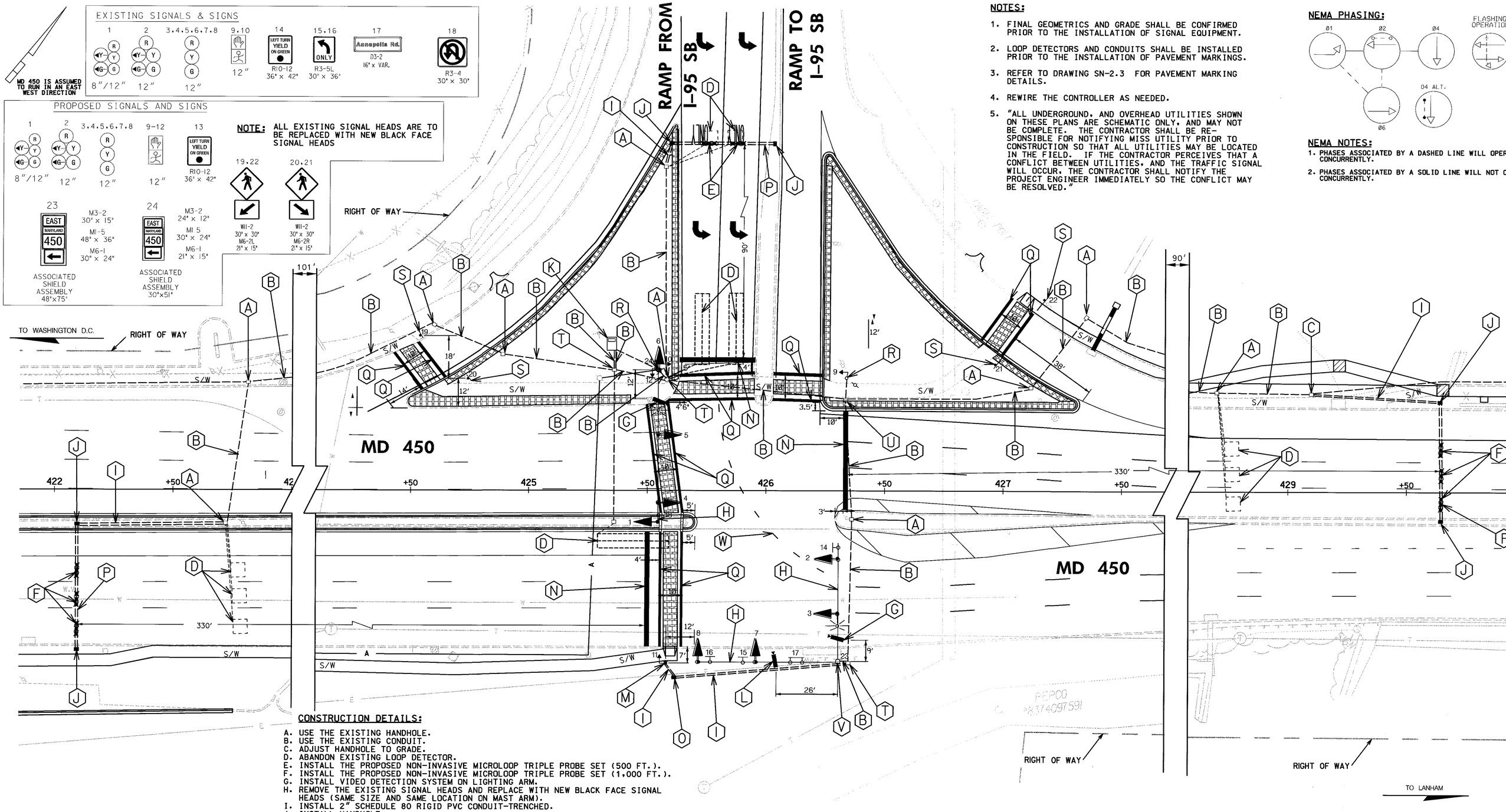
1 — 8"/12" — 2 — 12" — 3,4,5,6,7,8 — 12" — 9-12 — 12" — 13 — LEFT TURN YIELD ON GREEN, R10-12, 36" x 42"

19,22 — W11-2, 30" x 30", M6-2L, 21" x 15" — 20,21 — W11-2, 30" x 30", M6-2R, 21" x 15"

23 — EAST MARYLAND 450 — M3-2, 30" x 15" — M1-5, 48" x 36" — M6-1, 30" x 24" — ASSOCIATED SHIELD ASSEMBLY 48"x75"

24 — EAST MARYLAND 450 — M3-2, 24" x 12" — M1 5, 30" x 24" — M6-1, 21" x 15" — ASSOCIATED SHIELD ASSEMBLY 30"x51"

NOTE: ALL EXISTING SIGNAL HEADS ARE TO BE REPLACED WITH NEW BLACK FACE SIGNAL HEADS



NOTES:

1. FINAL GEOMETRICS AND GRADE SHALL BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT.
2. LOOP DETECTORS AND CONDUITS SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.
3. REFER TO DRAWING SN-2.3 FOR PAVEMENT MARKING DETAILS.
4. REWIRE THE CONTROLLER AS NEEDED.
5. "ALL UNDERGROUND, AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY, AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES, AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THE CONFLICT MAY BE RESOLVED."

NEMA PHASING:

NEMA NOTES:

1. PHASES ASSOCIATED BY A DASHED LINE WILL OPER CONCURRENTLY.
2. PHASES ASSOCIATED BY A SOLID LINE WILL NOT C CONCURRENTLY.

CONSTRUCTION DETAILS:

A. USE THE EXISTING HANDHOLE.
B. USE THE EXISTING CONDUIT.
C. ADJUST HANDHOLE TO GRADE.
D. ABANDON EXISTING LOOP DETECTOR.
E. INSTALL THE PROPOSED NON-INVASIVE MICROLOOP TRIPLE PROBE SET (500 FT.).
F. INSTALL THE PROPOSED NON-INVASIVE MICROLOOP TRIPLE PROBE SET (1,000 FT.).
G. INSTALL VIDEO DETECTION SYSTEM ON LIGHTING ARM.
H. REMOVE THE EXISTING SIGNAL HEADS AND REPLACE WITH NEW BLACK FACE SIGNAL HEADS (SAME SIZE AND SAME LOCATION ON MAST ARM).
I. INSTALL 2" SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED.
J. INSTALL HANDHOLE.
K SHA SIGNAL SHOP TO REWIRE THE EXISTING CONTROLLER CABINET AS NEEDED, AND INSTALL VIDEO DETECTION SYSTEM.
L INSTALL VIDEO DETECTION SYSTEM CAMERA ON MAST ARM
M. INSTALL 10' PEDESTIAL POLE, PEDESTRIAN SIGNAL HEAD, PUSH BUTTON, AND SIGN. (NOTE: 1 - 2" PVC 90 DEGREE ANGLE CONDUIT BEND, AND 4 - 1"x40" ANCHOR BOLTS).
N. INSTALL 24" WHITE HEAT APPLIED PREFORMED PAVEMENT MARKING TAPE (STOP LINE).
O. INSTALL HANDHOLE AND GROUND ROD.
P. INSTALL 3" SCHEDULE 80 RIGID PVC CONDUIT - BORED.
Q. INSTALL 12" WHITE HEAT APPLIED PREFORMED PAVEMENT MARKING TAPE (CROSSWALK).
R. INSTALL PEDESTRIAN SIGNAL HEAD, PUSH BUTTON, SIGNS, AND REMOVE EXISTING SIGNAL HEAD REPLACE WITH NEW BLACK FACE SIGNAL HEAD (SAME SIZE).
S. INSTALL 4"x6" WOOD POST AND INSTALL GROUND MOUNTED SIGNS.
T. INSTALL GROUND ROD ON EXISTING HANDHOLE.
U. ADJUST HANDHOLE TO GRADE AND FURNISH AND INSTALL GROUND ROD.
V. INSTALL SIGN ON SIGNAL POLE.
W. INSTALL 5" WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS (3' LINE WITH 9' GAP).

SHA RIGHT OF WAY

GEOMETRIC LEGEND
- EXISTING GEOMETRICS
- PROPOSED GEOMETRICS

UTILITY LEGEND
- GAS MAIN
- WATER MAIN
- SEWER MAIN
- ELECTRIC CABLES
- STORM DRAIN
- AERIAL CABLES
- TELEPHONE CABLES

HARRIS
Frederic R. Harris, Inc.
A JOINT VENTURE

HR HURST-ROSCHE ENGINEERS, INC.

5603AM450.06N

REVISIONS	APPROVALS
ⓑ - 10/2001 - ADD PED SIGNALS WEST LEG. REPLACE SIGNAL HEADS WITH BLACK FACE RECUT LOOPS WITH NEW GEOMETRICS SHA NO. PG 3265184	ASST. TRAFFIC ENGINEERING DESIGN DIVISION
ⓒ - 1-95 MODIFY SIGNAL EQUIPMENT DUE TO CONSTRUCTION OF I-95 SB OFF RAMP "A" SHA P 123-501-377	ASST. DISTRICT ENGINEER, TRAFFIC
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, TRAFFIC & SAFETY

ORIGINAL ON FILE

MARYLAND DOT - STATE HIGHWAY ADMINISTRA
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISIO

MD 450 AND I-95 SOUTHBOUND RAMPS NEW CARROLLTON, MARYLAND

DRAWN BY:		F.A.P. NO.: U-931-I(2)	TS NO. 953D
CHECKED BY:		S.H.A. NO.: 420-000-385	
SCALE:	1" = 20'	COUNTY: PRINCE GEORGE'S	T.I.M.S. NO. E107
DATE:	6/15/73	LOG MILE: 16045004.57	